INTERNATIONAL EDITION

DSC®

SOURCE BOOK

the brand you know and trust

Digital Security Controls (DSC) is an industry leader in the worldwide design and manufacture of electronic intrusion alarm products. The DSC brand is recognized for superior quality and performance in more than 140 countries. We manufacture intrusion alarm control panels, intrusion alarm detection devices and alarm communication products.

Servicing the security industry for over 25 years

Now celebrating our 25th year of operation, our success has been a result of an unwavering commitment to continually bring new standards of reliability, flexibility, performance and value to products used by the professional security installer. This focus has allowed DSC to establish a worldwide reputation for innovative security products that are easy to install, service and use.

We value the support of our distributors

At DSC, we understand that our market leadership position could not be maintained without the support of our global network of independent security equipment distributors. We recognize that future growth depends on our ability to continually supply security professionals with innovative, value-added products and industry-leading services.

Increased quality through continuous-improvement and proven manufacturing processes

DSC has implemented a unique design and manufacturing philosophy that utilizes proven processes for increased product efficiency, performance and reliability. DSC maintains state-of-the-art manufacturing facilities where dedicated teams of engineers use the latest development techniques and tools to refine current products and create the next generation of intrusion alarm products.

DSC is committed to the most up-to-date global ISO standards and Six Sigma methodology. We've invested in sophisticated test equipment used for employee-driven quality assurance programs and development initiatives. In addition, all DSC manufacturing employees undergo intensive electronics manufacturing training.

This catalog is your ultimate resource

The DSC Source Book catalog highlights our complete line of award-winning intrusion security solutions in a format that is both informative and easy to use. All of the products found within are available through our extensive network of DSC Authorized Distributors and professional security alarm dealers who are equally committed to taking care of the needs of home and business owners worldwide.

DSC®

contents

intrusion

PowerSeries™ Control Panels and Modules 1
Wireless Receivers and Devices 5
Envoy™ LCD Wireless Control Panels 8
MAXSYS® Integrated Control Panels and Modules 9
Addressable Devices and Detectors 12
Alternate Communication Products 14
GSM Universal Wireless Alarm Communicator 16
Panel Comparison Charts 17
Hardwired Detectors 19
Downloading Software (DLS™) 26
Sur-Gard™ Receiver Products 29

structured cabling

ConcourseEXP™ Cabinets and Modules 34

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Voice of the Customer

DSC wants to do everything possible to make your experience with us the best that it can be. Your feedback and ideas about your experience with DSC are very important to us. So please tell us what we are doing well, or if there's anything we could be doing better. All our employees are here to help.

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E-mail: customersatisfaction@dsc.com

Mail your comments to:
DSC Manager of Customer Satisfaction
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Concord, ON
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... for 25 years

PowerSeries™

Expandable Hybrid Security Panel Solutions

PowerSeries control panels have a proven reputation for providing the value and dependability that security professionals expect. The modular design of PowerSeries panels provides both versatility and flexibility in any application, from small residential to medium-sized commercial. Packed with features, they are easy to install, easy to program, and easy to use. With over a dozen sophisticated false alarm prevention features, they provide the reliability you need.

PowerSeries

Common Features

- Supports 8 keypads, 1 zone input per keypad
- Up to 32 wireless zones (with wireless receiver)
- 32 user codes
- Built-in phone line and siren supervision
- SIA, Contact ID, and pager formats
- Supports GS3050-A universal wireless alarm communicator
- Full upload/download support

Power864™

8-64 Zone Control Panel

- 8 zones on main control panel
- Expandable using hardwire, wireless, addressable modules and keypad zones
- 8 partitions, 256-event buffer
- 4 on-board PGM outputs:
  - Expandable to 14 (PC5204, PC5208)
- UL listed to CP01 standard
- Supports:
  - all PowerSeries modules
- See PowerSeries modules for additional module support

Power432™

4-32 Zone Control Panel

- 4 zones on main control panel
- Expandable using wireless module and keypad zones
- 128-event buffer
- 2 on-board PGM outputs
- See PowerSeries modules for additional module support

Power632™

6-32 Zone Control Panel

- 6 zones on main control panel
- Expandable using wireless module and keypad zones
- 128-event buffer
- 2 on-board PGM outputs:
  - Expandable to 14 (PC5204, PC5208)
- See PowerSeries modules for additional module support

Power832®

8-32 Zone Control Panel

- 8 zones on main control panel
- Expandable using hardwire, wireless, addressable modules and keypad zones
- 2 partitions
- 128-event buffer
- 2 on-board PGM outputs:
  - Expandable to 14 (PC5204, PC5208)
- See PowerSeries modules for additional module support

PowerSeries™

PowerSeries™

Optional System Keypads

To meet the demands of any application, a variety of keypads are available for PowerSeries control panels, everything from simple LED keypads to programmable LCD keypads with integrated wireless receivers. And with standard features like simple one-button activation of five programmable function keys, they are easy to use.

LCD5501Z

Fixed-Message LCD Keypad

- Large, fixed-message LCD:
  - Auto-scroll open and alarm zones
- 5 programmable function keys
- Built-in configurable input/ output terminal
- Clock display
- Programmable door chime:
  - 4 options, programmable by zone
- Multiple languages:
  - English, French, Spanish and ICON
- Available in white or black lenses

RF5501-433

Fixed-Message LCD Keypad with Integrated Wireless Receiver

- Fixed-message LCD
- Integrated 433 MHz wireless receiver
- Integrated zone input/PGM output
- Dedicated PGM output
- Integrated temperature sensor
- 32 wireless zones
- 16 wireless keys without using a zone slot
- 5 programmable keys for simple 1 button activation of system functions
- Available in white or black lenses

LCD5511

ICON LCD Keypad

- Large ICON LCD display:
  - Auto-scroll open and alarm zones
- 4 programmable function keys
- Backlit display
- Clock display
- Large buttons
- Easily identified fire, emergency and panic buttons
- Integrated low temperature detector
- Built-in configurable input/ output terminal

LCD5500Z

Programmable-Message LCD Keypad

- Large, backlit, 2-line, 32-character display
- Plain language display of zone status, system status, trouble conditions, event buffer, system instructions, date and time
- Auto-scroll open and alarm zones
- Zone input
- 5 programmable function keys
- Multiple languages:
  - English, French, Spanish
- Available in 19 languages

PC5508Z/PC5516Z/ PC5532Z

8/16/32 Zone LED Keypad

- LED status lights for zones, status functions
- 5 programmable function keys
- Zone input
- FAP keys

PC1555RKZ

8 Zone LED Keypad

- LED status lights for zones, status functions
- 5 programmable function keys
- Zone input
- FAP keys

PowerSeries™

Zone Expansion and Status Modules

The strength of the PowerSeries control panel is its modular design. In addition to the hardwire zone input included with all keypads, several modules are available for hardwire, wireless and addressable zone expansion. The ability to add different technology modules to the same control panel gives you the tools to handle even the most challenging applications.

PC5100

Addressable Zone Expander

- Connect up to 32 addressable detectors (AML)
- Detectors can be home-run, t-tapped or daisy chained
- Easy detector enroll process
- Compatible with the Power832® and Power864™ control panels

PC5108

8 Hardwire Zone Expander

- Adds 8 hardwire zones
- AUX power, 125 mA (PTC protected)
- Compatible with the Power832 and Power864 control panels

CONCOURSEEXP
STRUCTURED CABLING SYSTEM

All PowerSeries modules are compatible with the Concourse™ EXP Structured Cabling System
(see page 34)

PC5132-433

Wireless Receiver

- Supports 32 wireless zones, 16 wireless keys
- All wireless detectors are fully supervised for communication integrity
- Easy detector enroll process
- Compatible with all PowerSeries control panels

RF5108-433

Wireless Receiver

- Supports up to 8 wireless keys (without taking up a zone slot) and 8 wireless detectors
- Dual antenna design to maximize range
- 2 on-board, fully programmable (50 mA) outputs
- Small, compact design
- LED switch plate (single-gang) provided
- Compatible with all PowerSeries control panels

PC5320

Multiple Wireless Receiver Module

- Can be used to connect up to 4 wireless receivers to any PowerSeries control panel for increased coverage
- The PC5320 module supports:
  - *PC5132-433*
  - *RF5108-433*

PowerSeries™

PowerSeries™

Specialty Modules

For those applications that require more functionality, a number of specialty, multi-purpose modules are available. These powerful modules provide several functions. For example, the Escort™ telephone interface module provides automation and thermostat control. The PC5900 audio verification module provides remotely controlled, two-way, talk/listen-in functionality between a central station operator and occupants of premises through a combination of microphones and speakers.

PC5200*/PC5204

Power Supply Modules

- Provides up to 1 Amp @ 12 VDC
- Fully supervised for AC failure, low battery and AUX failure
- PC5204 adds 4 programmable high current voltage outputs:
  - *Rated at 1 Amp @ 12 VDC*
  - *Output #1 can be used as a supervised bell output*
- Compatible with the Power632™, Power832® and Power864™ control panels

*(*PC5200 compatible with Power864™ only)*

ESCORT™5580TC

Telephone Interface Module

- Turns any tone telephone into a talking keypad
- Programmable labels:
  - *6 words per label*
  - *240+ word library*
- Compatible with the Power632, Power832 and Power864 control panels

PC5900

Audio Verification Module

- Talk/Listen-in audio verification module
- Up to 4 audio stations, 4 microphones (PC5921) and 2 speakers (PC5904), can be connected
- Remotely controlled via tone telephones
- Compatible with PowerSeries control panels that support audio communication (Power632, Power832 and Power864)
- CE listed

PC5208

Programmable Output Module

- Provides 8 low current (50 mA) PGM voltage outputs
- Compatible with the Power632, Power832 and Power864 control panels

PC5400

Printer Interface Module

- Can be used to support:
  - *Serial printer*
- Compatible with all PowerSeries control panels

PC5401

Data Interface Module

- Supports bi-directional RS-232 commands for third-party interface
- Supports real-time zone status
- Compatible with all PowerSeries control panels
- FCC listed (cross-listed for IC)

Wireless Products

433 MHz Receivers

When it's time to add wireless detection devices to your next installation, DSC makes it easy. Turn any PowerSeries™ or MAXSYS® control panel into a hybrid wireless alarm system using our proven wireless receivers. For PowerSeries control panels, you can choose the RF5501-433 fixed-message LCD keypad with integrated wireless receiver or you can use the RF5108-433 or PC5132-433 wireless receivers. Wireless capabilities are achieved for MAXSYS control panels with PC4164-433 wireless receivers. Whatever your needs, you will benefit from the exceptional performance, reliability, flexibility and ease of installation of DSC wireless technology.

RF5501-433

Fixed-Message LCD Keypad with Integrated Wireless Receiver

- Fixed-message LCD
- Integrated 433 MHz wireless receiver
- Integrated zone input/PGM output
- Dedicated PGM output
- Integrated temperature sensor
- 32 wireless zones
- 16 wireless keys without using a zone slot
- 5 programmable keys for 1-button activation of system functions
- Available in black or white lenses

PC5320

Multiple Wireless Receiver Module

- Can be used to connect up to 4 wireless receivers to any PowerSeries control panel for increased coverage
- The PC5320 module supports:
  - PC5132-433
  - RF5108-433

PC5132-433/ PC4164-433

Wireless Receivers

- Supports 32/64 wireless detectors, 16 wireless keys
- PC5132-433 is compatible with all PowerSeries control panels
- PC4164-433 is compatible with the MAXSYS control panel

RF5108WKK1-433 Wireless Key Kit

Useful for applications where coverage of a large area is not required, the RF5108WKK1-443 wireless key kit can simultaneously support up to eight wireless detection devices (without taking up a zone slot) and eight wireless keys. The wireless key kit includes the WS4939 4-button wireless key.

Wireless Products

Wireless Keys

Wireless key systems are an attractive add-on to any security package, offering end-users the convenience and flexibility of portable wireless remote control. These multi-purpose wireless devices, when used in tandem with any DSC wireless receiver, can be used to arm/disarm security systems from a distance, be programmed to activate garage door openers, turn on lights, open powered gates or trigger a panic alarm. Beyond convenience, they also help reduce false alarms by allowing end-users to disarm an alarm system before entering a home or business. Optional designer cases for the WS4939 are available in eight stylish colors—each offering the end-user the opportunity for personal expression.

DESIGNER CASES

- Marbled black and blue (WS4939DC-BLK/BLU)
- Metallic blue (WS4939DC-METBLU)
- Wood grain (WS4939DC-WOOD)
- Silver (WS4939DC-SILVER)
- Metallic pink (WS4939DC-METPINK)
- Gold (WS4939DC-GOLD)
- Carbon fiber (WS4939DC-CRBNFBR)
- Red (WS4939DC-RED)

WS4939

4-Button Wireless Key

- 4 programmable function keys
- Multifunction clip included
- Long-life lithium batteries included
- Full 3-second delay on panic alarm to reduce false alarms
- Integrated LED to indicate signal transmission
- Optional generic rubber insert included
- CE, FCC, IC, UL/ULC listed

Wireless Products

433 MHz Detectors and Devices

When hardwiring a detector is impossible, or if time is an issue, look towards DSC wireless security. Get the same great performance you would expect from our proven hardwire detection devices in our comprehensive line of wireless detectors. By applying wireless technology to our products, DSC offers wireless devices for every application: door/window contacts, glassbreak detectors, pet-immune PIRs and smoke detectors. For exceptional wireless performance, security professionals worldwide turn to DSC—setting the industry standard for dependable and cost-effective wireless products.

WLS935L-433/ WLS925L-433

Wireless Door/Window Contact

- Built-in reed switch
- Normally closed external contact input
- 1 lithium battery included
- CE listed
- Wall tamper (WLS935L-433)

WLS912L-433

Wireless Glassbreak Detector

- Based on the Acuity™ glassbreak detector
- Tamper-activated test mode:
  - Should be tested using the AFT-100 glassbreak tester
- 2 lithium batteries included

FSD-100

Handheld Test Meter

- Records a detector's sensitivity value, ambient temperature (as measured by the detector's integral heat sensors), compensation value, voltage at input, model and serial number, version, date of manufacture, trouble and detector status, and the date and time of reading
- Holds 500 readings (downloadable to any computer)
- Powered by 9 V alkaline battery
- Compatible with all models of the FSA-210, FSA-410 and WS4916

WLS904L-433 WLS904PL-433

Wireless Passive Infrared Detector

- Based on the Bravo® 3D hardwire motion detector
- High-traffic shutdown
- Available with pet-immunity option:
  - WLS904PL-433 up to 60 lbs (27 kg)
- 1 lithium battery included
- CE, FCC/IC, UL/ULC listed

WS4916

Wireless Photoelectric Smoke Detector

- Low profile design
- Automatic drift compensation
- High/Low sensitivity reporting
- Built-in, dual-sensor heat detector
  - 135 °F (57 °C)
- Easy-maintenance removable chamber
- Local test button
- Built-in 85 dB horn
- Non-contact sensitivity testing with FSD-100 test-meter
- CE listed for commercial and residential applications

WIRELESS

Envoy™ LCD

Self-Contained Wireless Security System with LCD Display

The EnvoyLCD self-contained wireless security system guarantees performance and reliability with advanced wireless technology. The EnvoyLCD offers a large real-time clock display, easy-to-read fixed messages, the convenience of wireless key control and personal paging. The system can be professionally installed within minutes without the disruption associated with hardwire installations, making it an excellent choice for small homes, apartments, condominiums and small businesses. Fully supervised, the EnvoyLCD control unit continually monitors system components for tampering, radio frequency jamming, low battery power, zone faults and system communication errors.

ENVOY LCD

NT9005 Control Panel

- Large fixed-message LCD display
- LCD-driven template programming
- Supports 32 wireless detectors, 16 wireless keys
- Includes 2 configurable input/ output terminals:
  - *Zone inputs*
  - *PGM outputs*
- 32 user codes
- Local 85 dB sounder
- 5 programmable function keys

WS4939

4-Button Wireless Key

- 4 programmable function keys
- Compact, sleek design
- Durable, scratch-resistant buttons
- Reliable 433 MHz technology

NT9204

High-Current Output Module

- Provides up to 1 Amp of additional current
- Fully supervised for AC failure, low battery and AUX output failure
- Provides 4 high current (1 Amp) PGM outputs:
  - *Output #1 can be used as a supervised bell output*
- For use with the EnvoyLCD
- This module can be used to power the GS3050-A GSM universal wireless alarm communicator

MAXSYS®

Integrated Systems Technology

MAXSYS is a total security solution that integrates all aspects of building security—burglary, fire, access control and automation—into a single product, all of which can be used in any combination, at any time. This integration is achieved through the use of advanced microprocessors, extensive software and a unique COMBUS that provides high-speed data exchange between the main control panel and installed modules. A single-system solution for even the most demanding applications, MAXSYS is your key to opening new business opportunities.

PC4020

16-128 Zone Control Panel

- 16 zones on main control panel
- Expandable using hardwire, wireless modules and addressable zones
- 8 partitions
- 1,500 user codes
- 3,000-event buffer
- Built-in telephone line and siren supervision
- Auto SIA and Contact ID formats
- Supports GS3050-A GSM universal wireless alarm communicator and T-Link™/T-Link TL250 network alarm communicators
- Full upload/download support

LCD4501

Programmable-Message LCD Keypad

- Connect up to 16 keypads
- Large, backlit, 2-line 32-character display
- Plain-language display of zone status, system status, trouble conditions, event buffer, system instructions, date and time
- Ready, Armed and Trouble LEDs
- 5 programmable function keys
- 4 keypad-activated alarms:
  - Panic, Auxiliary, Fire, Duress
- Backlight boost

PC4216 & PC4632/PC4664

16 Output Module and 32/64 Point Graphic Annunciators

PC4216

- Provides 16 programmable outputs:
  - Rated at 50 mA @ 12 VDC
- Connect up to 9 PC4216 modules per system

PC4632/PC4664

- Egg-crate backplate for flexible LED locations
- Pre-printed point display transparency
- Clear transparencies (2) for custom graphics
- PC4632
  - 8.5" x 11" display area
  - PC4216 (1) and 16 LEDs included
- PC4664
  - 11" x 17" display area
  - PC4216 (2) and 32 LEDs included
- Additional LED assemblies available

MAXSYS® INTEGRATED SYSTEMS TECHNOLOGY

MAXSYS®

Modules

A complete line of modules is available for the MAXSYS system, including zone expanders, output modules, power supplies and access control modules. All modules utilize the four-wire communication bus (COMBUS), saving time and money by reducing the number of wire runs needed.

PC4164-433

Wireless Receiver

- Supports 64 wireless zones, 16 wireless keys
- All wireless devices are fully supervised for communication integrity
- Easy sensor enroll process
- Up to 8 receivers on 1 system

PC4108/PC4116

8/16 Hardwire Zone Expanders

- PC4108 adds 8 hardwire zones
- PC4116 adds 16 hardwire zones
- AUX power 250 mA (PTC protected)

PC4204CX

Power Supply/Relay Output Module

- Connect up to 16 modules
- Fully supervised for AC failure, low battery and AUX failure
- 4 programmable form 'C' relays:
  - *Rated at 3 Amps @ 12 VDC*
- PC4204CX:
  - *1 Amp AUX (40 VA transformer)*
  - *2.2 Amps AUX (80 VA transformer)*
  - *COMBUS repeater to extend COMBUS wiring length*

ESCORT™4580

Telephone Interface Module

- Turns any tone telephone into a talking keypad
- Programmable labels:
  - *6 words per label*
  - *240+ word library*

PC4401

Data Interface Module

- Connect up to 4 modules
- Each module can perform 1 of the following functions:
  - *Bi-directional RS-232 interface*
  - *PC-Link™ isolator*
  - *Printer module*
- CE, FCC and IC listed

MAXSYS®

Access Controls Systems

MAXSYS allows you to simply and affordably integrate access control with an intrusion alarm system. Two-door reader modules can be added as needed to control up to 32 readers. This integration of burglary and access provides some powerful features. For example, arming and disarming the security system via access control greatly simplifies end-user operation. It's a perfect addition for small- to medium-sized commercial applications.

PC4820

2-Reader Access Control Module

- Connect up to 16 modules
- Multiple reader technologies:
  - Polaris™, ShadowProx™, HID, Kantech™ XSF, and 26-bit Weigand
- 2 supervised lock outputs:
  - 250 mA per output
- 64 user access levels
- 99 date schedules
- 4 holiday groups
- Arm/Disarm partitions via access control

READERS

Polaris, ioProx™, 26-Bit Wiegand, Kantech XSF Technologies

- To learn more, please visit www.kantech.com

T-REX™

Request-To-Exit Detector

- Passive infrared request-to-exit detector with X-Y Targeting™ and DSP (Digital Signal Processing)

MAXSYS

Access Control Kit

This affordable package is the perfect access control starter kit. It has all the essentials you need: control panel, access control module, reader and cards in one low-cost package. And, if needed, the system can be expanded easily.

- Includes:
  - 1 PC4020 control panel
  - 1 PC4820 access control module
  - 1 P100W26 ioProx reader
  - 10 P40KEY ioProx dual-encoded proximity keys

MAXSYS®
INTEGRATED SYSTEMS TECHNOLOGY

Addressable

Devices and Detectors

The Addressable Multiplexed Loop (AML) provides the ultimate in simple, flexible and affordable zone expansion. Save time and money by connecting any addressable detector anywhere on the two-wire AML loop. DSC has everything you need, including isolators and repeaters, so there is no limit to what you can do.

AMB-300

Addressable Passive Infrared Detector

- Based on the Bravo® 3 hardwire motion detector
- Patented MLSP (Multi-Level Signal Processing)
- Interchangeable lens:
  - *Wall-to-wall lens (standard), curtain lens, pet-immune lens and corridor lens*
- Built-in tamper switch

AMB-600

Addressable Pet-Immune Passive Infrared Detector

- Based on the Bravo® 6 hardwire motion detector
- Patented MLSP (Multi-Level Signal Processing)
- Provides pet immunity up to 85 lbs (38 kg)
- Built-in tamper switch

AMB-500

Addressable Ceiling-Mount Passive Infrared Detector

- Based on the Bravo® 5 hardwire motion detector
- Patented MLSP (Multi-Level Signal Processing)
- Coverage diameter based on mounting height
- Built-in tamper switch

AMA-100

Addressable Glassbreak Detector

- Based on the Acuity™ hardwire glassbreak detector
- Detects all types of breaking glass
  - *Plate, laminated, safety and tempered*
- Can be tested using the AFT-100 glassbreak tester
- Built-in tamper switch

AMS-220/ AMS-220T

Addressable Photoelectric Smoke Detectors

- 'T' model has built-in heat detector:
  - *135˚F (57˚C) fixed-temperature heat sensor*
- Manual and programmable test for communication
- Automatic low sensitivity test
- Built-in tamper switch

AMP-700/AMP-701/ AMP-702/AMP-704

Addressable Contact Modules

- AMP-700 door/window contact with built-in reed switch
- AMP-701 door/window contact with normally closed input
- AMP-702 fire point module with normally open, EOL resistor supervised input
- AMP-704 4 door/window contacts with normally closed, single or double EOL inputs

Addressable

Devices and Detectors

AMX-400

Loop Repeater/Isolator Module

- Can be used to repeat and re-power the AML loop to allow for longer wire runs:
  - Requires 12 VDC power source
- Will isolate the wire run in the event of a problem

AML-770

Loop Isolator Module

- Can be used to isolate burglary detectors from fire detectors on the same wire run

BENEFITS

Addressable Compatibility

Addressable Multiplexed Loop (AML) technology can be the key to expanding your business. In large commercial or residential applications with numerous protection points, it can greatly reduce your installation time, saving you money. For example, to connect door/window contacts, glassbreak detectors or motion detectors where needed, all you have to do is run a single two-conductor wire around the perimeter of the installation. No more long wire runs back to the main control panel or expander module for each zone. Also, each detector is assigned a specific zone number for individual point identification, making service a snap. If future expansion is required, it's as simple as tapping off the existing AML loop.

The AML uses a simple two-wire cable for both power and data, and any addressable detector can be connected anywhere. Burglary and fire detection devices can be combined on the same wire run with the use of the AML-770 isolator module.

All detectors are engineered to require extremely low current (some as low as 0.8 mA each). In the case of extremely long wire runs, or if a large number of detectors are required, the AMX-400 repeater/isolator is perfect for expanding the system to whatever size is required.

MAXSYS®

Addressable Compatibility

The MAXSYS control panel has full AML support built right into the control panel, and all 128 zones can be programmed as addressable. Both PGM outputs have been engineered to support AML detectors, each providing up to 170 mA of current.

PowerSeries™

Addressable Compatibility

Addressable zone support can be added to either the Power832® or Power864™ with the addition of the PC5100 module. The module connects to the panel KEYBUS. It supports up to 32 addressable zones and provides up to 170 mA for addressable detectors.

ADDRESSABLE

T-Link™ TL250 and T-Link™

Network Alarm Communicators

T-Link TL250

The T-Link TL250 is our next generation of low-cost, high-performance network alarm communicators that use the latest digital networking technologies to provide secure Internet communications between Power864™ or MAXSYS® control panels and Sur-Gard™ System III central station receivers. Programming the T-Link TL250 can be accomplished locally using the control panel keypad or T-Link Console software over the IP network connection made directly to T-Link TL250's Ethernet port. By interfacing to T-Link TL250's four on-board programmable zone inputs, the unit can be configured to operate as a stand-alone communicator for interfacing existing third-party control equipment.

T-Link

The T-Link works within a proprietary LAN/WAN (Intranet) to communicate alarm signals efficiently and economically to a SG-DRL-IP central station receiver line card, or to a PC utilizing the SG-Reporter IP software. The T-Link connection is fully supervised when used in conjunction with the SG-DRL-IP receiver line card.

T-Link™ TL250

Internet Alarm Communicator

- Supported by Power864 and MAXSYS control panels via built-in PC-Link, or stand-alone mode
- Works over local LAN/WAN network or the Internet
- 128-bit AES encryption (NIST approved)
- Supports DHCP (dynamic IP addresses)
- Reports events to 2 different receiver IP addresses
- Compatible with 10/100BaseT networks
- 4 on-board PGM zone inputs (expandable to 12 using PC5108 zone expander module)
- 2 PGM voltage outputs
- Compatible with Concourse™ structured cabling system
- Fully programmable with DLS2002SA software
- UL AA High Line Security and ULC Level 5 listed

T-Link™

Network Alarm Communicator

- Allows alarm event to be transmitted over a proprietary LAN/WAN (Intranet)
- Compatible with DSC Power864 and MAXSYS via built-in PC-Link header
- Fully programmable with DLS2002 and DLS2002SA System Administrator software

SG-REPORTER™ IP

Software for use with T-Link Network Alarm Communicator only*

- Monitor up to 255 T-Link accounts over a proprietary LAN/WAN
- Compatible with Windows™ 9x/NT™/2000 operating systems
- TCP/IP communication and IP management software
- Searchable database, detailed customer profiles
- All events are color-coded for easy visual identification

* T-Link TL250 is not supported

VVM110™

Visual Verification Module

The VVM110 visual verification module is a low-cost, full-color video transmission solution that, upon an alarm event, helps to reduce false dispatches through the delivery of high-quality, compressed video images to any compatible video-enabled central monitoring station. The VVM110 uses standard telephone or circuit-switched cellular service to provide customers with video notification on events and remote "look-in" capabilities with the installation of Visual Access Software (VAS). Seamless integration with PowerSeries™ control panels—the Power632, Power832 or Power864—is achieved through a built-in KEYBUS interface. Receiving pre- and post-alarm video with the alarm signal allows central station dispatchers to prioritize and verify alarms before acting on them—an ideal solution to the false dispatch and unverified alarm problems.

FEATURES

VVM110

- Reliable, low-cost solution for remote video monitoring services
- Pre- and post-alarm recording
- KEYBUS integration to PowerSeries™ control panels
- Remote video "look-in" using Visual Access Software (VAS)
- Works with compatible video-enabled central monitoring stations
- On-board phone line modem controller
- Up to 64 alarm inputs
- NTSC/PAL compatible
- mapped to cameras
- Pan/Tilt/Zoom (PTZ) control or cellular phone comport (compatible with VCLTP, ERNA, ESCBAZZ, DYNACOLOR, ULTRAK, MIGVAN and BETA TECH)
- PSTN (telephone) connection (RJ-11 connector); serial RS-232 ports for video signal transmission over cellular service

How Does it Work?

VVM110 connects to any camera (existing or new) and to a standard phone line or circuit-switched cellular service

DSC control panel with integrated VVM110 visual verification module

Central monitoring station (video service provider)

The services are provided directly to customers

GS3050-A

GSM Universal Wireless Alarm Communicator

An affordable wireless alarm communication alternative to phone lines, the GS3050-A GSM universal wireless alarm communicator works by connecting to the GSM network to provide protection against accidental line cuts caused by storms, construction or deliberate tampering. In the event of an alarm, the communicator assesses its connection to the PSTN phone line, and if that has failed, it then connects to the GSM network to send an alarm signal to the central monitoring station.

More than just a GSM interface, the communicator can also be used to operate as a four-channel SMS dialer. This allows each of the four inputs (channels) to transmit two text messages (SMS) when activated.

Another application of this feature-rich product is its home automation capabilities. End-users are able to control externally connected devices (i.e. lights, garage doors and powered gates) via SMS messaging through their cellular phones. Compatible with any control panel, the communicator also supports voice alarm communication using the optional NC2/VOX module.

GS3050-A

GSM Universal Wireless Alarm Communicator

- 4 inputs for the activation of voice and SMS dialer (optional NC2/VOX voice board required for voice dialer)
- 2 SMS messages available on each input
- Programmable voice/SMS dialer-channel activation
- 8 telephone numbers available for the voice/SMS dialer function
- 5 outputs (open collector)
- Output control via SMS
- Dual-band (900 MHz and 1800 MHz GSM networks)
- SIM card programmable via any GSM cellphone or application-specific software (Windows™ compatible)

AVAILABLE ACCESSORIES

NC2/VOX Voice Board	Supports 8 recordable voice messages (90 seconds of combined message time)
GSM-LINK Serial Link	Serial connector for programming GS3050-A connector for NT9005

Control Panel Overview

Feature Comparison Chart

	Power432™	*Power632™*	*Power832®*	*Power864™*	*EnvoyLCD™*	*MAXSYS®*
Number of built-in panel zones	4	6	8	8	32 (Wireless)	16
Total zones supported	32	32	32	64	32	128
Keypad zone expansion	Yes	Yes	Yes	Yes	-	-
Hardwire zone expansion	-	-	Yes	Yes	Up to 2	Yes
Wireless zone expansion	Yes	Yes	Yes	Yes	Yes	Yes
Addressable zone expansion	-	-	Yes	Yes	-	Yes
Number of keypads	8	8	8	8	Built-In	16
Number of wireless receivers	4	4	4	4	Built-In	8
Number of main panel low current PGM outputs	2	1	1	3	Up to 2	2
Number of additional low current PGM outputs	-	8	8	8	-	144
Number of main panel high current PGM outputs	-	1	1	1	-	-
Number of additional high current PGM outputs	-	4	4	4	4	64 (Relays)
Number of access codes	38	38	38	38	38	1,500
Number of partitions	-	-	2	8	-	8
Panel event buffer	128	128	128	256	128	3,000
Phone line supervision	Yes	Yes	Yes	Yes	Yes	Yes
Siren supervision	Yes	Yes	Yes	Yes	Yes	Yes
SIA false alarm reduction features	Yes	Yes	Yes	Yes	Yes	Yes
Event-initiated personal paging	Yes	Yes	Yes	Yes	Yes	Yes
Upload/Download support	Yes	Yes	Yes	Yes	Yes	Yes
Direct-connect downloading support	Yes	Yes	Yes	Yes	Yes	Yes
DLS2002SA end-user downloading support	-	-	-	Yes	-	Yes
Internet Alarm Communications	-	-	-	Yes	-	Yes
Visual Alarm Verification	-	Yes	Yes	Yes	-	-
Audio Alarm Verification	-	Yes	Yes	Yes	-	-

Control Panel Overview

PowerSeries™ Module Version Compatibility Chart

	Power432	*Power632*	*Power832*	*Power864*
PC5100 Addressable Zone Expander	-	-	All	All
PC5108 Hardwire zone expander	-	-	All	V2.0 +
RF5108-433 Wireless Receiver	All	All	All	All
PC5132-433 Wireless Receiver	All	All	All	All
PC5200 Power Supply Module	-	-	-	All
PC5208 Low Current Output Module	-	All	All	All
PC5320 Multiple Receiver Module	All	All	All	All
PC5400 Printer Module	All	All	All	V3.0 +
PC5401 Data Interface Module	All	All	All	All
PC5508Z, PC5516Z, PC5532Z LED Keypads	All	All	All	All(1)
PC1555RKZ LED Keypad	All	All	All	All(1)
LCD5500Z Programmable-Message LCD Keypad	All	All	All	V3.0 +
LCD5501Z Fixed-Message LCD Keypad	All	All	All	All
RF5501-433 Fixed-Mesage LCD Keypad/Wireless Receiver	V2.3+	V2.3+	All	All
Escort5580TC Telephone Interface Module	-	All	All	V3.0+
LCD5511 ICON LCD Keypad	All	All	All	All
T-Link TL250 Internet Alarm Communicator	-	-	-	V3.2+
T-Link Network Alarm Communicator	-	-	-	V3.2+
VVM110 Visual Verification Module	-	All	All	All
PC5900 Audio Verification Module	-	All	All	V3.2 +
GS3050-A GSM Universal Wireless Alarm Communicator	All	All	All	All

(1) *Supports partitions 1 and 2 only*

Encore™

Swivel-Mount PIRs

Encore is a combination of proven DSC-patented detection technology and innovative product design, created with alarm installers in mind. This digital, microprocessor-controlled fresnel PIR delivers stable and accurate detection without sacrificing catch performance. The Encore housing and mounting bracket (included) has been designed to provide installers with the ultimate flexibility in detector location and ease of installation.

DETECTOR FEATURES

- Digital signal analysis for consistent detection throughout the coverage pattern
- Digital temperature compensation for improved catch performance at critical temperatures
- Patented Multi-Level Signal Processing (MLSP) provides more accurate detection of human IR energy over a broad range of temperatures
- Vertical Beam Shaping (VBS) provides pet immunity up to 60 lbs (27 kg), available with EC-300DP series

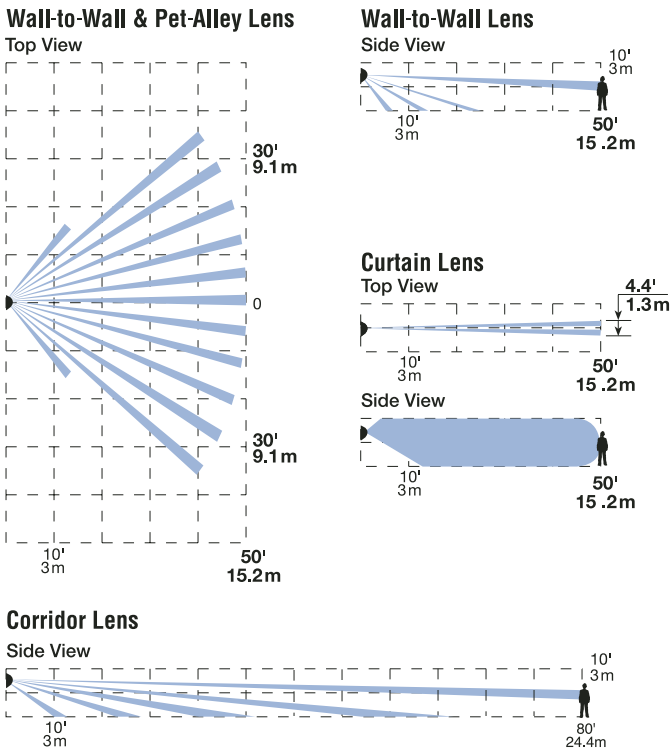
INSTALLATION FEATURES

- Swivel-mount bracket for the ultimate in location and installation flexibility
- Unique cover hinge allows unit to be installed right up to the ceiling
- Quick release PCB, no more screws to lose
- Concealed wiring channel simplifies installation and hides wires

MODELS

EC-300D	Form 'A' alarm contact
EC-301D	Form 'A' alarm contact and tamper switch
EC-302D	Form 'C' alarm contact and tamper switch
EC-300DP	Form 'A' alarm contact
EC-301DP	Form 'A' alarm contact and tamper switch
EC-302DP	Form 'C' alarm contact and tamper switch

COVERAGE PATTERN



SWIVEL-MOUNT BRACKET/ WIRE CHANNEL

Included with the Encore and Strata™ PIRs, this swivel-mount bracket allows for convenient ceiling- or wall-mount installation. It pivots these detectors in any direction for customized catch performance and incorporates a wire channel to eliminate exposed wiring, resulting in a clean, finished look.

Strata™

Mirror-Optic PIRs

Effective motion detection is dependent on a unit's ability to differentiate between legitimate intrusions and false alarms. The Strata mirror-optic PIR utilizes a complex arrangement of highly reflective mirrors to transfer IR energy to its sensing components. This technology is paired with digital signal analysis to provide consistent detection throughout the coverage pattern. Sensitivity can be adjusted to accommodate normal or hostile environments.

DETECTOR FEATURES

- Highly reflective, precise mirror optics transfer a greater amount of IR energy to the sensing components
- Digital signal analysis for consistent detection throughout the coverage pattern
- Patented Multi-Level Signal Processing (MLSP) for more accurate detection of human IR energy over a broad range of temperatures
- Sensitivity adjustment to configure the detector for normal or hostile environments

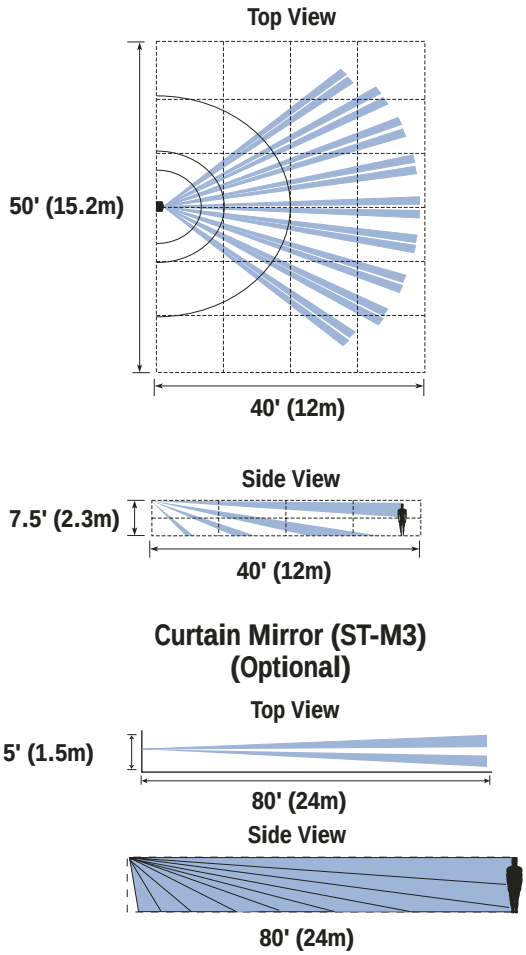
INSTALLATION FEATURES

- Swivel-mount bracket for the ultimate in location and installation flexibility
- Readily accessible screw terminals
- PCB mounted to front plastic for simplified installation
- Unique cover hinge allows unit to be installed right up to the ceiling
- Concealed wiring channel simplifies installation and hides wires
- Curtain mirror available (see below)

MODELS

ST-300D	Form 'A' alarm contact
ST-301D	Form 'A' alarm contact and tamper switch
ST-302D	Form 'C' alarm contact and tamper switch
ST-M3	Optional curtain mirror

COVERAGE PATTERN



MIRROR-OPTIC ACCESSORIES

The optional ST-M3 curtain mirror can be used for applications where long-range coverage is required.

Digital Bravo®3

PIR Motion Detectors

Digital Bravo3 elevates detection capabilities and false alarm prevention features to a new level of reliability using the most advanced technology in motion detection available today. Digital processing provides superior analysis of detected signals because the digital information can be more accurately analyzed using software, and is not subject to signal degradation caused by amplification, noise, distortion or signal clipping.

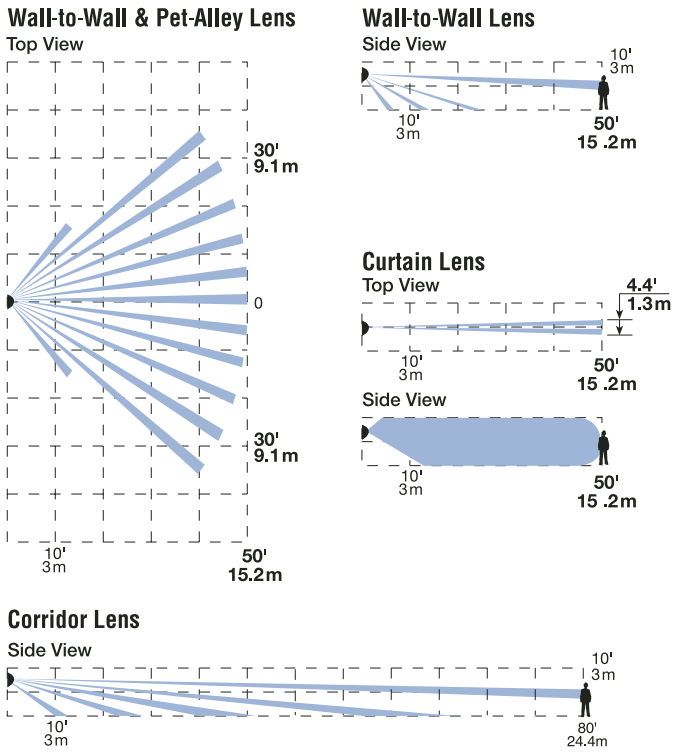
FEATURES

- Digital signal analysis for consistent detection throughout the coverage pattern
- Digital temperature compensation for improved catch performance at critical temperatures
- Patented Multi-Level Signal Processing (MLSP) for accurate detection of human IR over a broad range of temperatures
- Vertical Beam Shaping (VBS) provides pet immunity up to 60 lbs (27 kg), available with BV-300DP series
- Sensitivity adjustment to configure the detector for normal or hostile environments
- High-level static and transient protection
- Exceptional white light immunity
- Excellent RF immunity
- Optional mounting brackets available:
  - *DM-W (wall-mount bracket)*
  - *DM-C (ceiling-mount bracket)*

MODELS

BV-300D	Form 'A' alarm contact
BV-301D	Form 'A' alarm contact and tamper switch
BV-302D	Form 'C' alarm contact and tamper switch
BV-300DP	Form 'A' alarm contact
BV-301DP	Form 'A' alarm contact and tamper switch
BV-302DP	Form 'C' alarm contact and tamper switch

COVERAGE PATTERN



Analog versions (Bravo2 and Bravo3) are also available and offer precise performance and value. Available in standard and long-range configurations, these analog PIR motion detectors offer multi-level signal processing, automatic temperature compensation and proven immunity to white light and electrical transients.

Bravo®5

360° Ceiling-Mount PIRs

Bravo5 ceiling-mount motion detectors are perfect for those applications where office partitions or furniture restrict fields of view. From its vantage point, it sees what other wall- or corner-mount detectors can't. In addition to features found in Bravo series PIRs, the Bravo5 uses an advanced quad-PIR element to provide consistent detection regardless of the motion direction. The Bravo5GB offers even more security with its integrated glassbreak detector, offering all the features of Acuity™.

FEATURES

Bravo5 Passive Infrared Detector

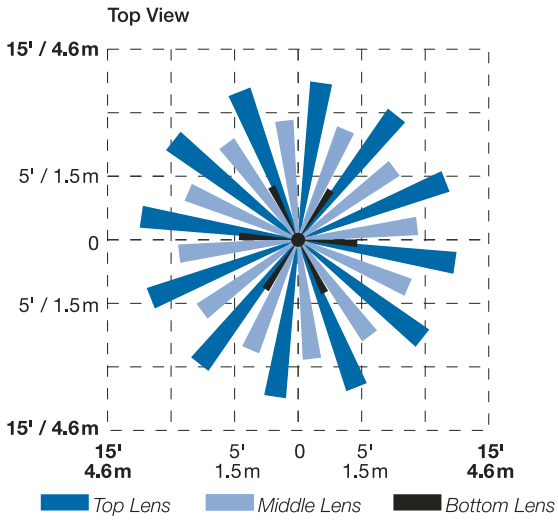
BV-500

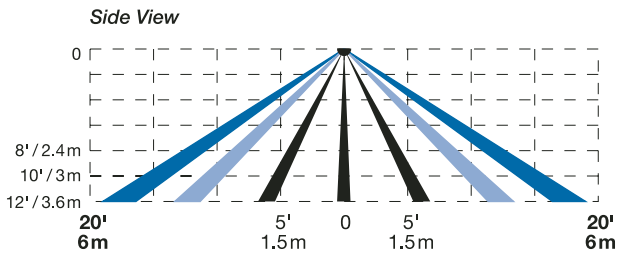
- Signal analysis for consistent detection throughout the coverage pattern
- Temperature compensation for improved catch performance at critical temperatures
- Patented Multi-Level Signal Processing (MLSP) for accurate detection of human IR over a broad range of temperatures
- Sensitivity adjustment to configure the detector for normal or hostile environments
- High-level static and transient protection
- Exceptional white light immunity
- Excellent RF immunity

BV-500GB

- Combination PIR with glassbreak detector
- Includes all features of the Bravo5 PIR and Acuity glassbreak detector

360° QUAD Element PIR...*at 8' (2.4m) height*





MODELS

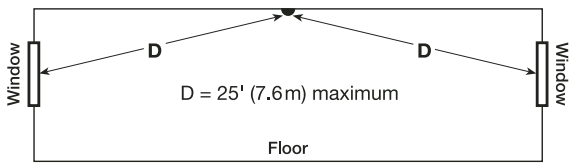
PIR Only

BV-500	Form 'A' alarm contact
BV-501	Form 'A' alarm contact and tamper switch
BV-502	Form 'C' alarm contact and tamper switch

PIR and Glassbreak

BV-500GB	Form 'A' alarm contact (motion), form 'C' contact (glassbreak)
BV-501GB	Form 'A' alarm contact (motion), form 'C' contact (glassbreak) and tamper switch
BV-502GB	Form 'C' alarm contact (motion), form 'C' contact (glassbreak) and tamper switch

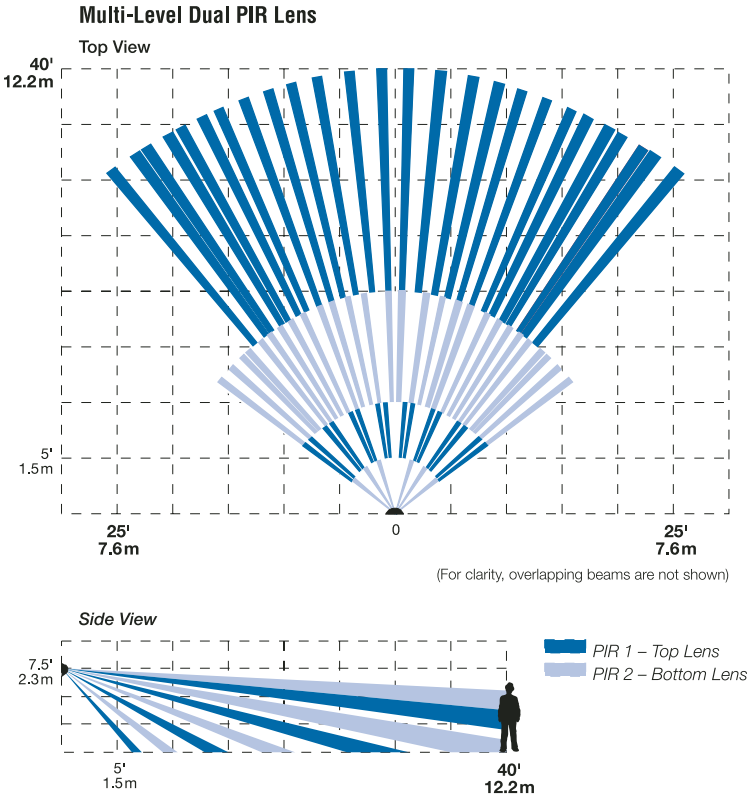
360° Glassbreak Detector



Bravo® 6

Twin, Dual-Element Pet-Immune PIRs

Bravo6 is not only an exceptional pet-immune detector, it also provides excellent false alarm immunity in the harshest environments. With its twin, dual-element PIR detectors, unique lens and advanced digital signal analysis, it provides accurate detection while ignoring common false alarm situations, including pets. Bravo6 will exceed your expectations for stability and performance.



FEATURES

- Digital signal analysis for consistent detection throughout the coverage pattern
- Digital temperature compensation for improved catch performance at critical temperatures
- Patented Multi-Level Signal Processing (MLSP) for accurate detection of human IR over a broad range of temperatures
- Sensitivity adjustment to configure the detector for normal or hostile environments
- High-level static and transient protection
- Exceptional white light immunity
- Excellent RF immunity
- Optional mounting brackets available:
  - *DM-W (wall-mount bracket)*
  - *DM-C (ceiling-mount bracket)*

MODELS

BV-600	Form 'A' alarm contact
BV-601	Form 'A' alarm contact and tamper switch
BV-602	Form 'C' alarm contact and tamper switch

Bravo6 utilizes twin, dual-element IR sensors and features digital signal analysis and Multi-Level Signal Processing (MLSP). A vertically interleaved beam pattern provides superior intruder detection and pet immunity up to 85 lbs (35 kg).

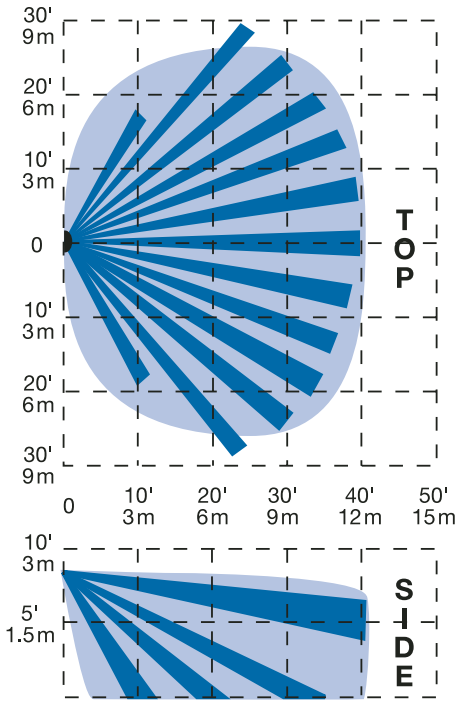
Force2™

Dual Technology PIR / Microwave Detectors

Force2 combines two proven motion detector technologies in to one package, the perfect integration of PIR and microwave. Combining these two technologies provides an entirely new level of discrimination between intruders and potential false alarms. The advanced and reliable PIR detector and DRO microwave systems are designed to operate as high-quality motion detectors. The microprocessor combines these technologies, using digital PIR and microwave signal analysis, to provide "intelligence" for eliminating "single detector" false alarms.

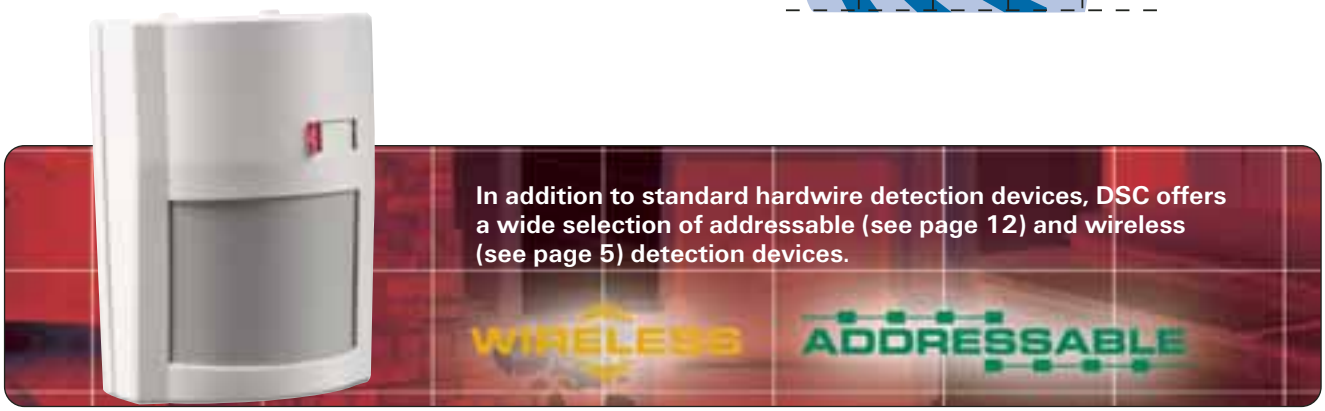
FEATURES

- Patented Multi-Level Signal Processing (MLSP)
- Digital microwave signal processing
- DRO microwave technology for low-current and reliable operation
- MOV transient/static protection
- High RF immunity with SMD construction
- Exceptional white light immunity
- Digital temperature compensation
- Adjustable microwave detection pattern to match room size
- Optional mounting brackets available:
  - *DM-W (wall-mount bracket)*
  - *DM-C (ceiling-mount bracket)*



MODELS

F2-200	Form 'A' alarm contact
F2-201	Form 'A' alarm contact and tamper switch
F2-202	Form 'C' alarm contact and tamper switch


In addition to standard hardwire detection devices, DSC offers a wide selection of addressable (see page 12) and wireless (see page 5) detection devices.
WIRELESS
ADDRESSABLE

Acuity™

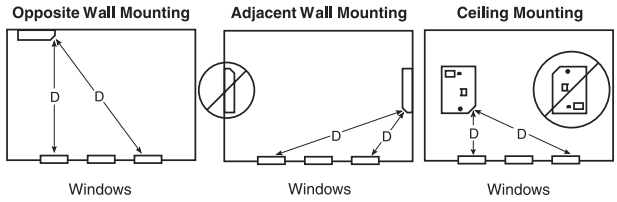
Glassbreak Detectors

Acuity glassbreak detectors have built-in intelligence making them "smart" enough to discern the sound of breaking glass from common sounds found in homes and businesses. With their high-performance microphones and advanced microprocessor-based Digital Sound Analysis (DSA), they can hear all types of breaking framed glass—plate, laminated, tempered and safety—up to 25´ away. And with wall- and ceiling-mount models, there´s an Acuity for any application.

FEATURES

Acuity Glassbreak Detectors

- Exceptional microphone frequency range provides excellent sound capture at low sound levels and distances of up to 25′ (7.6 m)
- Jumper-selectable sensitivity range
- Digital signal processing analyzes sound in remarkable detail to provide greater detector sensitivity and immunity to false alarms
- High-level static and transient protection includes reliable MOV circuitry
- Exceptional detection of all common types of framed glass including plate, wired, tempered and laminated
- Detectors accommodate changes in frame construction, glass thickness and room acoustics



DETECTION RANGE

Glass Type	Sizes	Detection Range Level 1†	Level 2†
Plate/Tempered			
1⁄8 - 1⁄4" thick (3 - 6 mm)	18" x 18" and up (46 x 46 cm)	25' (7.6 m)	15' (4.6 m)
	12" x 12" to 18" x 18" (30 x 30 to 46 x 46 cm)	15' (4.6 m)	10' (3 m)
Wired/Laminated			
1⁄4" thick (6 mm)	18" x 18" and up (46 x 46 cm)	20' (6 m)	
	12" x 12" to 18" x 18" (30 x 30 to 46 x 46 cm)	10' (3 m)	

†Jumper selectable

AFT-100

Glassbreak Simulator

- Generates plate or tempered glass sound samples
- 3" (7.62 cm) full-range speaker accurately reproduces the full range of frequencies generated by shattering glass
- Single or continuous sound operation

MODELS

Wall-Mount

AC-100	Form 'A' alarm contact
AC-101	Form 'A' alarm contact and tamper switch
AC-102	Form 'C' alarm contact and tamper switch

Ceiling-Mount

AC-500	Form 'A' alarm contact
AC-501	Form 'A' alarm contact and tamper switch
AC-502	Form 'C' alarm contact and tamper switch

DLS™ 2002

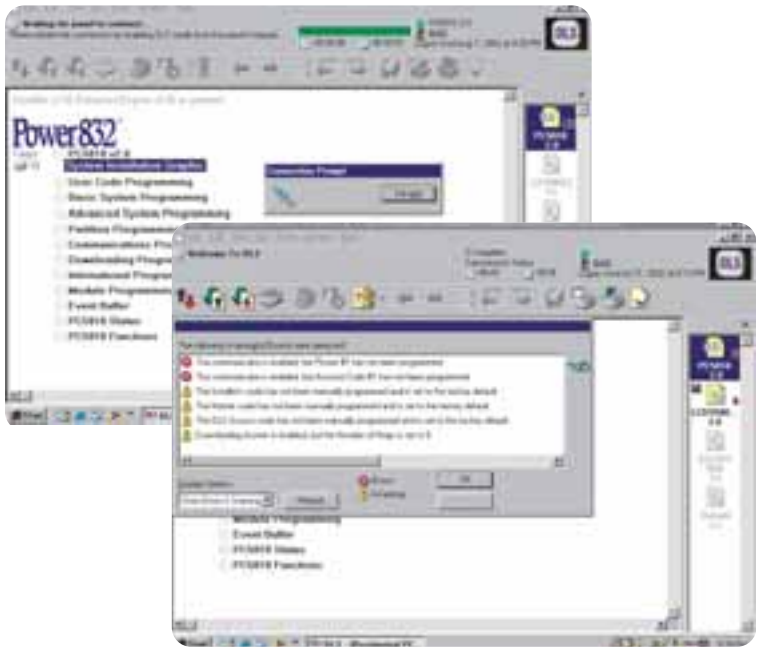
Downloading Software

DLS2002 downloading software by DSC is much more than just a software package for remotely programming control panels. It's a great diagnostic tool, and includes features such as auto-detect panel type and version, upgrade wizard, and error checking. DLS2002 will help streamline installations, reduce programming time and decrease service calls. It gives you the ability to make changes to a system remotely in minutes, without having to visit the site. DLS2002 will take your installation and service capabilities to the next level.

DLS™ download

FEATURES

- Intuitive user interface
- Automatic panel and module version detection
- Automatic panel version correction
- Automatic module version correction
- Upgrade wizard
- Error checking
- Batch programming
- System installation graphic



AVAILABLE ACCESSORIES

PC-Link	Direct-connect cable with serial DB-25 connector
PC-Link-9	Direct-connect cable with serial DB-9 connector
PC-Link-5SP	Self-powered PC-Link connector for NT9005 control panel
MD-12	Serial modem for remote panel communications

The DLS2002SA System Administrator™ software is a perfect solution for large or multi-location business applications using the MAXSYS® control panel. The software is simple to use and gives users the ability to view and change codes, access cards and schedules, as well as view system status, arm/disarm partitions, and view, sort and print the event buffer. The software can be found in the Products area of the DSC website under the password-protected software section.

DLS™ download

innovative by nature

DSC people in more than 140 countries extend the proud achievements of yesterday to the challenges of tommorow. More than 25 years ago, DSC dramatically changed the security industry with revolutionary microprocessor-based security panels, stunning compact keys and superior central station receivers. Recently, we impressed again with Internet alarm communication and advanced wireless technologies.

DSC also recognizes that security dealers everywhere need more than just great products, they demand exceptional service and support as well. That is why DSC has committed resources to ensure that we're always in a position to be taking care of our customers.

www.dsc.com

The DSC website is an intuitive, easy-to-navigate resource that provides security professionals with access to a wealth of product-specific information. Password-protected areas are tailored specifically for security dealers and offer the latest news on DSC products, corresponding events and launches, the latest technical support materials and diagnostic tools, and helpful industry and association links.
Visit www.dsc.com to learn more.

Downloadable PDF versions of all DSC security products, sales and specification sheets, end-user manuals, architect and engineer specifications, plus the complete DSC product catalog can be found on the website.

Diagnostic tools such as DLS2002™ downloading software are available at no charge. Security dealers can upload DLS2002 service packs and DLS2002 drivers to support new products and enhance features.

Log on to www.dsc.com to learn how DSC makes customer satisfaction its ultimate goal.

feedback

DSC wants to hear what security dealers have to say. The opinions, comments and ideas of our customers contribute directly to the development of new products and services and are important to us. We want to hear from you.

the DSC Customer Help Center

A dedicated team of technical support and customer service representatives stand ready to provide security dealers with valuable expertise and in-depth product knowledge. The Customer Help Center offers extended hours of services, access to all departments within DSC, and multilingual support in 10 different languages. The Customer Help Center is ready to provide you with the exceptional service, support and value you have come to expect from DSC.

technical support

E-mail us at tech@dsc.com.

general customer service

For general product information or the location of the nearest DSC authorized distributor, please call +1-905-760-3000 or e-mail us at info@ dsc.com.

Sur-Gard™

Central Station Receivers

Central stations worldwide have made Sur-Gard the brand of choice for alarm receiving equipment. This recognition comes from decades of experience in the engineering, manufacturing and service support of central station receivers. DSC is committed to supporting our central station customers as they grow their businesses by helping them understand and incorporate new technology. For example, DSC continues to develop the proven Sur-Gard SG-MLR2 receiver platform. The latest version, the SG-MLR2E, features greater expandability, new programming options, greater flexibility and superior signal management. Utilizing patented DNIS reception, the SG-MLR2E can save money and increase the account-to-line ratio, improving the overall performance of a central station's operations.

SG-CPM2

Central Processing Module

- Monitors operation and performance of all line cards
- Heartbeat feature for automation supervision
- Hot-swappable
- 1 parallel printer port
- 1 serial RS-232 port
- 128-event buffer
- 16 bit micro-controller

SG-MLR2E

2-Line Expandable Digital Receiver

- Supports up to 15 line card modules
- 256-event buffer per line
- 19″ rack mount
- Includes:
  - *SG-CPM2 central processing module*
  - *SG-DRL2E digital line card module*
  - *SG-MLRFE receiver cage*
- Supports:
  - *SG-DRL2A digital line card module*
  - *SG-DRL-IP network line card module*

SG-MLR-IP

Multi-Line Network Receiver

- Supports up to 15 line card modules
- 256-event buffer per line
- 19″ rack mount
- Includes:
  - *SG-CPM2 central processing module*
  - *SG-DRL-IP network line card module*
  - *SG-MLRF-IP receiver cage*
- Supports:
  - *SG-DRL2E digital line card module*
  - *SG-DRL2A digital line card module*

Sur-Gard™

Receiver Line Cards

*Sur-Gard makes expansion simple with its line card expansion system, giving you the ability to grow your central monitoring station easily and economically. Any combination of line cards can be added, up to 15 in total, to the same SG-CPM2 platform.**

SG-DRL-IP

Network Line Card Module

- TCP/IP receiver line card
- Supervises 255 T-Link™ modules per line card
- Compatible with 10/100BaseT networks
- Configuration options programmable using Sur-Gard™ E-Console software
- Programmable flash memory for upgrades
- Listed for UL AA and ULC Level 3

SG-DRL2E

Digital Line Card Module

- Supports 2 phone lines
- DSP design with flash memory
- DNIS support
- Patented Caller ID, 2-way voice receiving
- Individual line processing
- Hot-swappable
- Multiple communication formats
- Configuration options programmable using Sur-Gard E-Console software

SG-DRL2A

Digital Line Card Module

- Supports 2 phone lines
- Patented Caller ID, 2-way voice receiving
- Individual line processing
- Hot-swappable
- Multiple communication formats

* *A maximum of 7 SG-DRL2A line cards can be used*

Sur-Gard™

Virtual Central Station Receiver

As one of the most advanced central station receivers in the world, the Sur-Gard System III virtual receiver is designed for the needs of small- and medium-size central stations. System III is a robust, 24-line virtual receiver that resides in two 19-inch rack-mount cages and is configured for auto-switching redundancy. It has the ability to handle an enormous number of accounts and perform a multitude of monitoring functions.

SG-DRL3 virtual line card

SG-DRL3-IP network line card

SYSTEM III

Virtual Receiver

- Can be expanded to accommodate 24 line cards (SG-DRL3 or SG-DRL3-IP)
- Patented ANI and DNIS reception
- Patented Caller ID
- Patented Automatic Handshake Selection (AHS)
- Advanced 2-way audio integration
- Fully hot-swappable modules
- Eliminates fixed-line hunt groups
- Upgradeable flash memory
- Automation output over TCP/IP or RS-232
- 19" rack-mount assembly
- UL and ULC, CE and AUSTEL listed

SG-DRL3-IP

Network Line Card

- Network line card for System III receivers
- Each line card supports up to 512 supervised and up to 1,024 total T-Link™ TL250 accounts
- Up to 24 line cards per System III receiver
- 2-way, always-on IP communication
- Works over local LAN/WAN network as well as the Internet
- 128-bit AES encryption
- Compatible with 10/100 BaseT networks
- Upgradeable flash memory

Sur-Gard™

Proprietary Application Receivers

Bring the power of a central station receiver to a desktop computer with the Sur-Gard SG-PC-LC2 receiver line card and Reporter software. Designed for proprietary multi-site applications, it provides all the performance and flexibility of a standard Sur-Gard receiver at a lower cost. The SG-PC-LC2 receiver line card allows the security administrator to monitor up to 500 locations per line card. For simple applications, the Sur-Gard SG-SLR single-line, desk-mount receiver provides straightforward signal handling at an affordable price. Ideal for small or large commercial applications, these receivers provide great value and reliability when local or PC-based monitoring is required.

SG-PC-LC2-P

PC-Based Receiver and Software

- Includes:
  - *SG-PC-LC2 line card*
  - *Reporter software*
  - *SG-PC-LC2 cable*
  - *Manual set*

SG-PC-LC2

PC-Based Receiver Line Card

- 2-line digital receiver module with DSP technology
- Installs directly into standard ISA slot
- Patented Caller ID
- Multiple communication formats
- 1,024-event buffer, printer output, and remotely programmable

REPORTER™

Software for use with SG-PC-LC2 Receiver

- 250 accounts per receiver line
- Password-protected software, Windows™ 9X/NT™/2000EXP compatible alarm monitoring software for SG-PC-LC2
- All events are color-coded for easy visual identification
- Selectable event reporting; information can be faxed, e-mailed or printed
- Generate reports to track events

SG-PC-LC2 CABLE

PC Receiver Data Cable

- Data cable for connection of multiple SG-PC-LC2 units
- Included in SG-PC-LC2-P package

SG-SLR

Single-Line Receiver

- Desk-mount unit
- Multiple communication formats
- Patented Caller ID
- 2-way voice receiving
- LCD display, serial RS-232 output for automation software
- 256-event buffer, printer output

Sur-Gard™

Receiver Parts and Accessories

SPARE PARTS

SG-MLR2SP
- Spare parts kit for SG-MLR2-DG
- Includes:
  - *SG-CPM2 central processor module*
  - *SG-DRL2A digital line card module*
  - *SG-DML2A line card backplane circuit board*
  - *SG-DML4 CPM2 backplane circuit board*
  - *MCBL telephone connection cable*
  - *SER-10 serial cable*
  - *CH6UF2 power cable*
  - *CH6UF3 data bus cable*

SG-MLR2ESP
- Spare parts kit for SG-MLR2E
- Includes:
  - *SG-CPM2 central processor module*
  - *SG-DRL2E digital line card module*
  - *SG-DML2E line card backplane circuit board*
  - *SG-DML4 CPM2 backplane circuit board*
  - *MCBL telephone connection cable*
  - *SER 10 serial cable*
  - *CH6UF2 power cable*
  - *CH6UF3 data bus cable*

PRINTERS AND ACCESSORIES

Activity Printers

SG-DP8340P
- Receiver activity printer
- Parallel dot-matrix printer
- Used with SG-SLR, SG-MLR2-DG and SG-MLR2E receivers
- SG-1220P power supply required

SG-DPU-414
- Activity printer
- Thermal printer for use with the SG-PC-LC2
- 40 columns
- Parallel or serial output
- Also available:
  - *SG-AC AC adapter*
  - *SG-DPU-PAP thermal printer paper*

BACKPLANES

Spare Backplane Circuit Board

SG-DML2A
- Compatible with SG-DRL2A line card

SG-DML2E
- Compatible with SG-DRL2E line card

SG-DML-IP
- Compatible with SG-DRL-IP line card

SG-DML4
- Used on the SG-MLR2, SG-MLR2E and the SG-MLR-IP
- Used on the SG-MLR2F, SG-MLRFE and the MLRFIP

CAGES

Expansion Cages

SG-MLRX
- SG-DRL2A expansion cage
- Includes:
  - *Expansion card cage*
  - *2 SG-DLM2A backplane circuit boards*

SG-MLRXE
- SG-DRL2E expansion cage
- Includes:
  - *Expansion card cage*
  - *2 SG-DLM2E backplane circuit boards*

SG-MLRX-IP
- SG-DRL-IP expansion cage
- Includes:
  - *Expansion card cage*
  - *2 SG-DLM-IP backplane circuit boards*

SG-MLRX-BP
- Expansion cage blank cover plate

CABINETS

19" Rack-Mount Receiver Cabinets

SG-MLR2CL
- Large floor-mount cabinet for SG-MLR2, SG-MLR2E or SG-MLR-IP receivers
- Up to 15 line card modules

SG-MLR2CM
- Desk-mount cabinet for SG-MLR2, SG-MLR2E or SG-MLR-IP receivers
- Up to 7 line card modules

SG-MLR2CS
- Small desk-mount cabinet for SG-MLR2, SG-MLR2E or SG-MLR-IP receivers
- Up to 3 line card modules

SG-MLR2CSX
- Extra-small desk-mount cabinet for SG-MLR2, SG-MLR2E or SG-MLR-IP receivers

ConcourseEXP™ How Does It All Work?

Cabinets

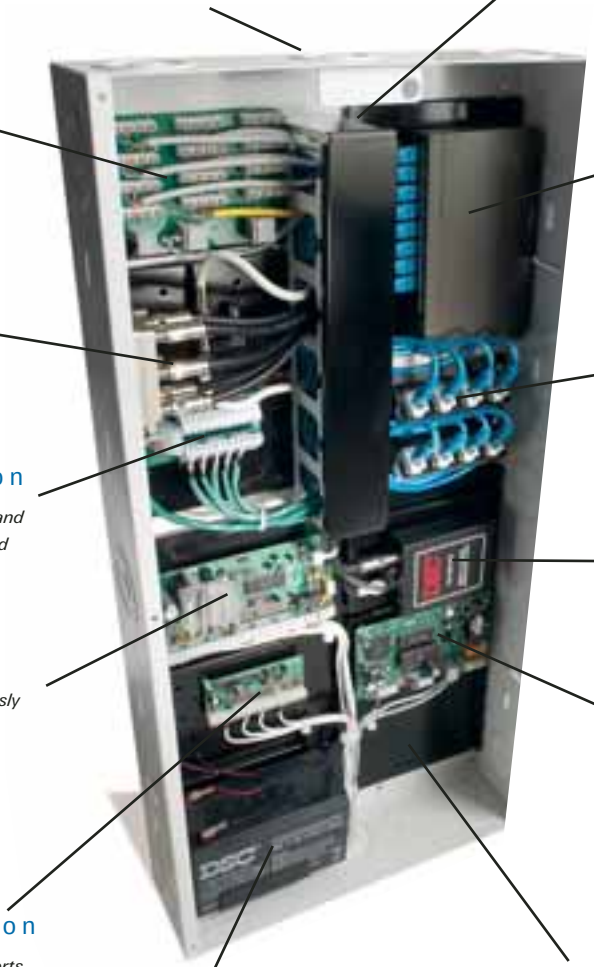
The ConcourseEXP structured cabling system offers home-system integrators a variety of cabinet sizes, door styles, wiring knockouts, raceway configurations and mounting plates.

Wiring Channel

The removable raceway, additional lances, tri/multiple conduit knockouts and horizontal slots provide superior cable management and ease of installation.

Telephony

The HS-TH200 analog telephone module distributes 4 incoming telephone lines to 11 locations in the home or office.



LAN Network

An 8-port 10/100 switch allows the interconnection of up to 8 computers or peripherals to create a Local Area Network (LAN) within the home or office.

Video Distribution

ConcourseEXP offers a broad range of video distribution modules that directs cable and satellite service to multiple rooms in the premises.

Network Distribution

The HS-DH400 is a 4-port data distribution hub that facilitates simple interconnection of Cat 5e cabling within the ConcourseEXP enclosures.

Audio Distribution

The HS-AH600 provides a simple and economical way to distribute sound throughout the home or office.

Video Surveillance

For CCTV surveillance, add the video signal from 1 or 3 security cameras to UHF channels 14 to 78 and CATV channels 65 to 139 with VM-1100 and/or VM-3100 video modulators.

Security

ConcourseEXP integrates seamlessly with our proven PowerSeries™ or MAXSYS® alarm control panels and accessories.

Home Automation

The Escort™5580TC/4580 is a telephone-interface and automation-control module that is compatible with PowerSeries and MAXSYS control panels respectively. The Escort supports thermostat control, turns any touchtone phone into a fully functional system keypad and can control up to 32 X-10 devices within a residence.

Security Expansion

The PC5108 zone expander supports expansion of the security system. Each module contains 8 hardwire zones.

Universal Mounting Plate

The HS-MP500 universal mounting plate provides additional mounting options for all ConcourseEXP cabinets. The HS-MP500 can be mounted horizontally or vertically for custom installations. Mounting holes are provided for ConcourseEXP modules and the plate comes with hook-and-loop strapping for the mounting of other manufacturers' low-voltage devices.

Power Supplies

For back-up power, ConcourseEXP offers an optional mounting tray for a 7 Ah rechargeable, sealed, lead-acid battery and knockouts for AC outlets.

ConcourseEXP™

Cabinets

DSC is committed to assisting our security dealers in taking advantage of the tremendous growth opportunity available in the structured cabling market. DSC believes that the intrusion alarm system is the logical place to begin a home or small business structured cabling system. Concourse wiring enclosures and their related low-voltage modules have been designed with alarm installers in mind, to provide seamless integration of PowerSeries™ or MAXSYS® control panels and modules. Dealers have everything they need to offer a complete low-voltage system.

CABINETS	DIMENSIONS	AVAILABLE DOORS
HS-CAB1000	Height 14.25" (36 cm) Width 14.25" (36 cm) Depth 4" (10 cm)	* HS-FDR1000 Fastened Metal Door HS-PDR1000 Plastic Door HS-LDR1000 Locking Door
HS-CAB3000	Height 28.5" (72 cm) Width 14.25" (36 cm) Depth 4" (10 cm)	* HS-FDR3000 Fastened Metal Door HS-PDR3000 Plastic Door HS-LDR3000 Locking Door
HS-CAB4000	Height 42" (108 cm) Width 14.25" (36 cm) Depth 4" (10 cm)	* HS-FDR4000 Fastened Metal Door HS-PDR4000 Plastic Door HS-LDR4000 Locking Door

* Fastened Metal Doors Ship with Cabinet

UL Listed:

- Communication Circuit Accessory
- Household Fire and Burglary Warning Control Unit Enclosure and Covers

ConcourseEXP™

Video Splitters

HS-VH400

Passive 1x4 Video Splitter

- 1 GHz, 1x4 passive RF video splitter
- 1 CATV/ANT input with 4 outputs
- Can be used as a 4-input, 1-output video combiner
- Fits on HS-MP200 mounting plate (included)

HS-VH1402DSS

Passive 1x4 Video Splitter

- 1 GHz, 1x4 passive RF video splitter
- 1 CATV/ANT input with 8 outputs
- Can be used as an 4-input, 1-output video combiner
- Fits on HS-MP200 mounting plate (included)
- Dual Low-Noise-Blocking (LNB) pass-through connectors for DSS

HS-VH1802DSS

Passive 1x8 Video Splitter

- 1 GHz, 1x8 passive RF video splitter
- 1 CATV/ANT input with 8 outputs
- Can be used as an 8-input, 1-output video combiner
- Fits on HS-MP200 mounting plate (included)
- Dual Low-Noise-Blocking (LNB) pass-through connectors for DSS

HS-VA3800

3x8 Video Amplifier Splitter

- 3 ANT/CATV input and 8 amplified outputs
- 5 to 42 MHz return path for modems and interactive TV
- Uses 'F' style fittings
- Transformer included
- Fits on HS-MP200 mounting plate (included)

HS-VH1800

Passive 1x8 Video Splitter

- 1 GHz, 1x8 passive RF video splitter
- 1 CATV/ANT input with 8 outputs
- Can be used as an 8-input, 1-output video combiner
- Fits on HS-MP200 mounting plate (included)

HS-VA800

Amplified 1X8 Video Splitter

- 1 ANT/CATV input and 8 amplified outputs
- 5 to 42 MHz return path for modems and interactive TV
- Transformer included
- Fits on HS-MP300 mounting plate (included)

ConcourseEXP™

Video and Phone Modules

HS-VH3800

Passive 3X8 Video Splitter

- 1 Ghz, 3x8 passive RF video splitter
- 3 CATV/ANT input with 8 outputs
- Can be used as an 8-input, 3-output video combiner
- All ports are power-passing, 24 VDC, 500 mA maximum
- Uses 'F' style fittings
- Fits on HS-MP200 mounting plate (included)

HS-VM1100

1-Channel Mono Video Modulator

- 1-channel, monaural frequency-agile video modulator
- Add RF signal (video) from video source (camera) to distribution network (TV)
- Covers UHF CH14 to 78 and CATV CH65 to135 (except 95 to 99)
- Requires HS-MOD001-BKT mounting plate
- Requires HS-VH3800 or HS-VA-3800

RFDM-300

Video Tri-Modulator

- 3-channel input mono modulator
- Add RF signal (video) from video source (camera) to distribution network (TV)
- Covers UHF CH14 to 74 and CATV CH65 to139
- Requires HS-VH3800 or HS-VA3800

HS-TH200

Analog Telephone Module

- Connections for up to 4 incoming lines
- Parallel outputs for up to 11 locations
- 1 RJ45 expansion port (to connect to another telephony module)
- Line 1 or line 2 security system connection via RJ31X jacks
- Fits on HS-MP200 mounting plate (included)

HS-TH1600

Analog Bridged Telephone Module

- 110 IDC connectors for up to 4 incoming lines
- Up to 6 RJ45 outputs
- 1 RJ45 expansion port (to connect to HS-TE1650)
- Line 1 or line 2 security system connection via RJ31X jacks
- Fits on HS-MP200 mounting plate (included)

HS-TE1650

Analog Bridged Telecom Expansion Module

- Expansion module for HS-TH1600
- 1 RJ45 4-line input jack
- Up to 6 RJ45 outputs
- 1 RJ45 expansion port (to connect to another HS-TE1650)
- Fits on HS-MP200 mounting plate (included)

ConcourseEXP™

Phone and Network Modules

HS-TH1610

1X6 Telecom IDC Module

- 6-position, 110 IDC connectors for up to 4 incoming lines
- 6-position, 110 IDC connectors for connecting up to 6 outlets to the system
- RJ31X jack for security connection
- Fits on HS-MP200 mounting plate (included)

HS-DH400

Data Distribution Hub

- Facilitate the interconnection of Cat 5e cabling in the DSC Concourse system
- Can be installed in the HS-CAB1000, HS-CAB3000 and HS-CAB4000 cabinets using the supplied mounting hardware
- Can be used to connect home-run telephone outlets

HS-VT1640

Combination Module

- HS-TH1610 + HS-VH400
- 1x6 analog (bridged) telecom connector with 1 110 IDC for 4 input lines
- RJ31X for line 1 security connection
- 1 GHz, 1x4 passive RF video splitter
- Includes all HS-VH400 features
- Fits on HS-MP200 mounting plate (included)

HS-DH800

Data/Voice Distribution Module

- 8-channel data/voice distribution module
- Independent 110 IDC to RJ45 T568A connections
- Can be used to interconnect HS-NH400 or HS-NH8100 Ethernet modules for a Local Area Network (LAN)
- Can be used to connect home-run telephone outlets
- Fits on HS-MP300 mounting plate (included)

ConcourseEXP™

Combination / Audio Modules and Control Panels

HS-VT1680

Combination Module

- HS-TH1610 + HS-VH1800
- 1x6 analog (bridged) telecom connector with 1 110 IDC for 4 input lines
- RJ31X for line 1 security connection
- 1 GHz, 1x8 passive RF video splitter
- Includes all HS-VH1800 features
- Fits on HS-MP200 mounting plate (included)

HS-AH600

6-Channel Audio Distribution Module

- 1x6, 4-wire distribution module
- Impedance-matching volume control and speakers required (not supplied)
- Can also be used as a KEYBUS or COMBUS wiring expander
- Fits on HS-MP200 mounting plate (included)

PC580HS

Control Panel

- 4-32 zone control panel
- Expandable using wireless module and keypad zones
- 128-event buffer
- 2 on-board PGM outputs
- Fits on HS-MP200 mounting plate (included)

PC1555HS

Control Panel

- 6-32 zone control panel
- Expandable using wireless module and keypad zones
- 128-event buffer
- 2 on-board PGM outputs expandable to 14
- Fits on HS-MP200 mounting plate (included)

PC5010HS

Control Panel

- 8-32 zone control panel
- Expandable using hardwire, wireless and addressable modules and keypad zones
- 2 partitions
- 128-event buffer
- 2 on-board PGM outputs expandable to 14
- Fits on HS-MP300 mounting plate (included)

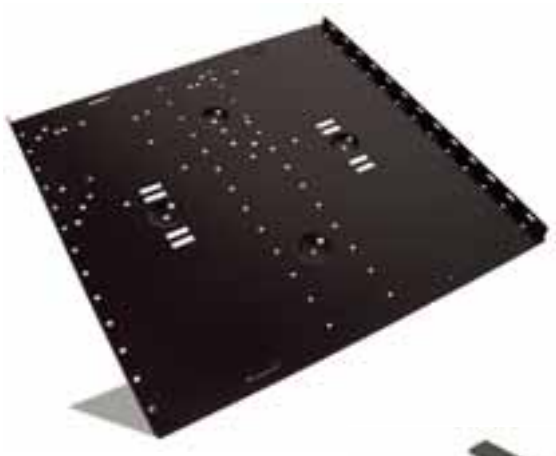
PC5020HS

Control Panel

- 8-64 zone control panel
- Expandable using hardwire, wireless and addressable modules and keypad zones
- 8 partitions
- 256-event buffer
- 4 on-board PGM outputs expandable to 14
- Fits on HS-MP300 mounting plate (included)

ConcourseEXP™

Mounting Plates



HS-MP500

Universal Mounting Plate

- Provides additional mounting options for the HS-CAB1000, HS-CAB3000 and HS-CAB4000 series of cabinets
- The HS-MP500 can be mounted horizontally or vertically for custom installations

HS-MP200

Small Mounting Plate

- 4″ x 6″ (10.2 x 15.4 cm)
- Expansion port

HS-BB100/01

Battery Mounting Plate

- 4″ x 6″ (10.2 x 15.4 cm)
- Right and left side mounting brackets

HS-MP300

Medium Mounting Plate

- 8″ x 6″ (20.5 x 15.4 cm)

HS-MOD001-BKT

Mounting Bracket

- 4″ x 6″ (10.2 x 15.4 cm)
- Required to mount HS-VVM1100 inside cabinet

HS-MP400

Large Mounting Plate

- 12″ x 6″ (30.7 x 15.4 cm)

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